

Experiences With Four-Chamber Pot Annealing
Furnaces, by W. Feige, A. Heubaus. UNCL

GERMAN, per, Stahl u Eisen, Vol LXXIII, No 3,
29 Jan 1953, pp 139-147.

British Iron and Steel Ind
(no number given)

Sci - Engr
Sep 59

98, 104

Contribution, Role of Oxidation and Annealing
Reactions of Electrically Heated Roller-Heated
Continuous Furnaces for Cold Strip in Coils, by
J. Kottmann, H. M. Junger. UNCL

UNCL, in: Stahl u. Eisen, Vol. LXXVIII, No 3,
1958, pp 147-153.

British Iron and Steel Inc
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Uncl - Eng
Sep 59

98 249

Investigation of Pressures and Energy Required in
the Cold Extrusion of a Number of Steels, by H. D.
Goldmann.

Full translation.

GERMANY, Archiv für Stahl und Eisen, Vol LXXVIII, No 3,
1958, pp 165-174.

Butcher Trans No 5193

Scientific - Minerals/Metals

see 53 CES

\$8.40 price

4839

Causes of Fine Surface ~~HESS~~ Defects in the Hot Working of Plain Carbon Steel, by H. Buchholtz, R. Pusch

Full translation.

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 4, 1953, pp 204-212.

Brutcher Tr No 3100

Jul 53 CTB/DEX
Scientific - Minerals/Metals Price \$10.80

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Prerequisites to the Production of Spheroidal Graphite
Cast Iron - Properties and Uses, by K. Lohberg

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 4, 1953,
pp 212-218.

Brutcher Tr 3173

Scientific - Minerals/Metals
CTS/DEX Price \$7.60

4814

Limits of Applicability of Sulphur-Sealed
Sintered Iron as a Sliding Material, by
Gerd Mussen, 14 p.

GERMAN, per, Stahl und Eisen, 1953, Vol LXXXIII,
No 4, pp 219-222.

EIA 59-17041

Sci
Dec 59
Vol 2, No 6

103, 945

Detection of Boron Precipitate by Neutron Bombardment,
by O. Hudiger

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 5,
1953, pp 200.

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Scientific - Minerals/Metals
CTS/DEX Price \$1.40

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The Problem of Miner Life, by A. Lawson, J. Holroyd,
UNICE

GERMANY, par, Stahl u Eisen, No 5, 26 Feb 1953,
pp 266-272.

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Sci - Min/Mat

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The Operation of the Low-Shaft Blast-Furnace,
by Heinz Schumacher, 16 pp.

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 5,
1953, pp 257-266.

SLA 60-18242

SWA 62-20184

146,153

Sci

Apr 61

Experiences With Ultrasonic Testing of Welds, by
H. Krachter.

Full translation.

GERMAN, biwk per, Stahl und Eisen, Vol LXXIII, No 5,
1953, pp 279-283.

Brutcher Trans No 3137

Scientific - Minerals/Metals

Sep 53 CTS

\$4.70 price

SLA 57-2613

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The Development of Blast-Furnace Gas Cleaning
During the Last Ten Years, by K. Guthmann. UACI.

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pp 283-292.

British Iron and
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Sci - Engr
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New Process for the Reduction of Iron Oxides, by
H. Siepmann = 1/10 (?)

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 6,
1953, pp 360-364.

Brutcher Tr 3192
SLA 63-16839

Scientific - Minerals/Metals
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Price \$6.40
SLA PRICE (2.60) 7851

The Construction and Operation of Fully Continuous
Medium Strip Mills and ~~Manufacture~~ Their
Relationship to Wide Strip Mills, by K. Wallmann.
UNCL

GERMAN, ~~pat.~~ Stahl u Eisen, No 7, 1953, pp 394-400.

British Iron and Steel Ind
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Sci - Engr
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98, 426

Operational Results With Ladle Fireclay Bricks of
Various Types When Teeming Open-Hearth Mild Steel,
by K. O. Zimmer. USCL

GERMAN, per, Stahl u Eisen, 26 Mar 1953, pp 411-416.

British Iron and Steel Ind
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Sci - Engr
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98, 446

Loss of Alloying Elements of Steel During Oxygen Refining in the Basic Arc Furnace, Part I, by E. Pachaly.

GERMAN, per. Stahl und Eisen, Vol LXXIII, No 8, 1953, pp 461-465.

Brutcher Tr 3146

Scientific - Minerals/Metals

Price \$7.80

Nov 53 CTS

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Loss of Alloying Elements of Steel During Oxygen
Refining in the Basic Arc Furnace, Part II, by
E. Puchaly

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 8,
1953, pp 465-469.

Brutcher Tr 3147

DA - 62 - 18435

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Price \$9.80

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Solved and Unsolved Problems Concerning the
Mechanical Parts of Blooming Mills, by G. Jorgensen.
UNCL

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471.

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Ed - Rngt
Sep 59

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Improving the Testing Method for Determining the
Susceptibility of Steel to Stress Corrosion, by
Wilhelm Radeker, 10 pp.

WEST GERMANY, Der Stahl und Eisen, Vol LXXIII,
No 8, 1953, pp 485-492. 9216843

AEC-TR-6141

Sci - Chem
Jan 64

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Modern Disintegrator Gas Cleaning, by Georg
Baumann, 6 pp.

GERMAN, per, Stahl und Eisen, Vol LXXIII,
No 8, 1953, pp 492-494.

SIA 60-18244

Sci

Apr 61

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Sampling for Investigations Into Iron and Steel-
Making Processes, by W. Oelsen

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 8,
1953, pp 495-498.

Brutcher: Tr 3166

Scientific - Minerals/Metals
CTS/DEX Price \$3.90

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62-18438

Lueg, Werner.
INSPECTION AND TESTING OF THE WORKING FACES
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FOR THE PRODUCTION OF SCREWS AND CEMENTED
CARBIDE DRAWING BORES. [1962] 12p. (figs. refs.
omitted).

Order from SLA \$1. 60

62-18438

Trans. of Stahl und Eisen (West Germany) 1953, v. 73
[no. 10] p. 621-629 (Max Planck Institut für Eisen-
forschung (West Germany). Communication]-572;
[Verein Deutscher Eisenhüttenleute (West Germany).
Berichte]-54).

DESCRIPTORS: *Dies, *Screws, Wire, *Small tools,
*Machine tools, Positioning devices (Machinery),
Drawing (Machine processing), Material forming,
Carbide tools.

(Machinery, Fabrications and Accessory Equipment,
TT, v. 10, no. 9)

I. Lueg, W.
II. Max ... Communication-
572
III. Verein ... Berichte-54

Office of Technical Services

The Mechanical Denscaling of Hot-Rolled Strip
With Metallics Shot by the Centrifugal Method,
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GERMAN, per, Stahl u Eisen, 7 May 1953,
pp 630-636.

British Iron and Steel Ind
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Sci - Min/Hot
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Attack of Iron-Saturated Molten Zinc on Iron, by
D. Horstmann.

GERMAN, per, Stahl Und Eisen, Vol LXXIII, No 10,
1953, pp 659-665.

Brutcher Tr No 3355

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Scientific - Min/Metals

Dec 54 CTH/DEX

\$6.90

The Significance of Fuel Economy in Hot-Working
Operations in a Works Making Special Steels, by
Wilhelm Riemann, 12 pp.

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1953, pp 721-727.

SLA 60-18245

Sci

Apr 61.

146,145

Extraction of Steel by the Sejournet Process, by
K. Kreitz. URCL

GERMAN, per, Stahl u Eisen, No 11, 21 May 1943,
pp 728-731.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
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98, 233

Behavior of Hydrogen in Steel Making, by W. Gelsen,
et al. UNCLASSIFIED

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 13, 1953,
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Brutcher No 3236

\$5.80

Scientific - Min/Metals

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Behavior of Hydrogen in Steel Making, by E. Piper,
H. Hagedorn, H. Backes

GERMAN, per, Stahl und Eisen, Vol IXXIII, No 13,
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Scientific - Minerals/Metals
CTS/DEX

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Price \$14.60

Technique of Draught in Industrial Furnaces,
particularly Open-Hearth Furnaces, by M. Farnon.
1951

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1953, pp 839-845.

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Developments in the Production of Slag Wool
in the Vereinigte Osterreichische Eisen-
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GERMAN, per, Stahl u Eisen, 18 Jun 1953,
pp 845-847.

British Iron and Steel Ind
(no number given)

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Sci - Engr
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Continuous Annealing of Cold Rolled Low Carbon
Steel Strip. Part I, by K. H. Mahr, A. Pomg,

GERMAN, par, Stahl Und Eisen, Vol LXXIII, No 14,
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Scientific - Min/Metals

Dec 54 CTS/DEX

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~~RESEARCH~~

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24,886

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No 3360

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Jan 55 CTS/DEX

Critical Comparison of the Heat-Treatment
Plants in Cold-Rolling Mills, by Erich Schauff,
14 pp.

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SLA 60-18246

Sci

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Use of cooling of Open-Hearth Furnaces by Using the
Amount of Cooling Water Vaporization. Invention
by A. Kurnisch. BASF

GERMANY, Pat. Stahl u Eisen, 30 JUL 1953,
pp 1026-1028.

British Iron and Steel Ind
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Gen. - Engl
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Savings in Water Consumption With Cooling Devices
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GERMAN, par, Stahl u Eisen, Vol LXXIII, 30 Jul
1953, pp 1028-1029.

British Iron and Steel Ind
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Sci - Engr
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Furnaces, by K. E. Poppo. UNCL

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British Iron and Steel Ind
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Sci - Phys
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Transport Within the Works- a Technical and
Economic Problem, by K. Rosenbaum. UNCL

GERMAN, per, Stahl u Eisen, 30 Jul 1953,
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British Iron and Steel Ind
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EEur - East Germany

Econ

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Increasing the Efficiency of the Railway System
of Iron and Steelworks, by H. Berggrath. UNCL

GERMAN, per, Stahl u Eisen, Vol LXXIII, Jul 1953,
pp 1053-1057.

British Iron and Steel Ind
(no number given)

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Improved Suction Devices for Sampling Molten Steel for
Hydrogen Determination, by K. G. Schmitz, F. Willems.
UNCLASSIFIED.

GERMAN, per, Stahl Und Eisen, Vol LXXIII, No 16, 1953,
pp 1057, 1058.

Brutcher Tr No 3297

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Scientific - Min/Metals

Experiments for Determining the Quality
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GERMAN, per, Stahl u. Eisen, 13 Aug 1953,
pp 1094-1101.

British Iron and Steel Ind
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Sci - Min/Met
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Examples of Electronic Control and Regulating
Equipment for Drives on Rolling Mills in Germany,
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1953, pp 1141-1148.

ASLIB-GB43

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Aug 58

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Correlation Between Machinability and Other Properties
of Materials, by F. Repartz. *UNCL 20 pp.*

GERMAN, *per*, Stahl u Eisen, No 18, 1953, pp 1169-
1174.

CSIRO 3851

SLA 63-16841

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Sci - Engr.

Ann 50

The Calculation of Piece-Rates in Rolling Mills
on the Basis of Operational Records, by E. Gobiet,
K. Schnick. UNCL

SEMAN, per, Stahl u Eisen, Vol LXXIII, No 19, 1953,
pp 1226-1231.

British Iron and Steel Ind
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Sci - Math
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The Phosphating of Steel Wire in Wire Drawing
Mills, by H. Berkenhoff. UNCL

GERMAN, per, Stahl u Eisen, Vol LXXIII, No 22,
1953, pp 1391-1394.

British Iron and Steel Ind
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Sci - Min/Mat
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Technique of High-Vacuum Melting and Pouring, by
Winkler. UNCLASSIFIED

GERMAN, *see*, Stahl und Eisen, vol LXXIII, No 20,
1953, pp 1261-1268.

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Scientific - Minerals/Metals

11,950

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Surface Defects in the Hot Working of Steel,
Resulting From Residual Copper and Tin, by K. Born.
UNCLASSIFIED

GERMAN, per, Stahl und Eisen, vol LXXIII, No 20,
1953, pp 1268-1277.

Brutcher Tr 3255

Scientific - Minerals/Metals

Price \$11.90

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Quenching of Basic Bessemer Steel From the
Rolling Temperature in Full-Scale Operation, by
Franz Kusters, 15 pp.

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SIA 60-18247

Sci

Apr 61

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**The Phosphating of Steel Wire in Wire Drawing
Mills, by H. Berkenhoff. UNCL**

**GERMAN, per, Stahl u Eisen, Vol LXXIII, No 22,
1953, pp 1391-1394.**

**British Iron and Steel Ind
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**Sci - Min/Met
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Manufacture and control in Britain. See: German
Review, by J. Billigmann. WSO.

GERMAN, per, Stahl u Eisen, Vol XXXIII, No 22,
1953, pp 1394-1401.

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Sci - Engr
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CONTRIBUTION TO THE PROBLEM OF A SUITABLE
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BALTZ.

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22 OCT 1953, PP 1404-1409.

BISI 2395

SCI - ENGR

NOV 61

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Determination of Roll Force and Roll Torque by
Means of Nomograms, by W. Lueg,

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Aluminum Laboratories, Ltd.
B-TM-145-54,
OT/1086

Scientific - Engineering Dec 1954 CTS
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New Experiences in the Production of Pig Iron in the
Electric Low-Shaft Furnace, by H. Walde

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 23, 1953,
pp 1441-1446.

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Scientific - Minerals/Metals
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Improving Thomas Steel at the Domnarfvat Iron and
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GERMAN, per, Stahl u Eisen, 5 Nov 1953, pp 1446-
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Tr 929

Sci - Min/Met
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Lining of Hot-Metal Mixers, by Christian
Bruchhausen, 9 pp.

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1953, pp 1453-1457.

SLA 60-18248

Sci

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Lining of a 900-Ton Hot Metal Mixer With Dolomite
Brick, by K. Mayer et al

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 23,
1953, pp 1457-1462.

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Scientific - Minerals/Metals

Jul. CTS/DEX

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Price \$4.90

OTS 60-18203

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Helmut Knuppel, 2 pp.

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1953, pp 1463, 1464.

SLA 60-18255

Sci

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The Determination of Rolling Times for
Different Steel Qualities as a Basis for Reference-
Ton Calculations in the Rolling-Mill by Means of
of the Records of an Autographic Recorder, by
Friedrich Bleimann, 11 pp.

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 23,
1953, pp 1468-1472.

SLA 60-18249

Sci

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The Development of Heat-Resisting Steels With High
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GERMANY, per, Stahl und Eisen, Dusseldorf, Vol LXXIII,
1953, pp 1496-1503.

Iron and Steel Inst
483, OT/880

Scientific - Minerals/Metals

Aug 54 CTS

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Contribution to Our Knowledge of the Fatigue Strengthening of Materials, by H. Hempel, E. Foudremont. UNCL

GERMAN, per, Stahl u Eisen, Vol LXXIII, 1953,
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British Iron and Steel Ind
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Sci -aln/ast
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Hot Work Tool Steels, by H. M. Kallen. UNCL

GERMAN, per, Stahl u Eisen, 19 Nov 1953,
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KRAMER, W. Influence of granulation upon the
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Experiences with Ingot-Hold Washes, by G. Kowarsch

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No 25, 1953, pp. 1654-1657,

Brutcher Tr 3228

SLA 60-18251
10,454

Sci - Min/Metals

CTS/DEX

Price \$3.60

Present Situation of and Practical Experiences
With the Immersion Method of Measuring Temperatures
in Melting Plants, by K. Guthmann. UNCL

GERMAN, per, Stahl u Eisen, Vol LXXIII, 17 Dec
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British Iron and Steel Ind
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Sci - Engr; Min/Met
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Meyer, Hans-Heinz and Schluter, Herman.
DEVELOPMENT AND STATUS OF DYNAMO
AND TRANSFORMER SHEET MANUFACTURE.
[1963] [41]p. 93 refs.
Order from SLA \$4.60 63-16842

Trans. of Stahl und Eisen (West Germany) 1953,
v. 73, p. 1706-1717.

DESCRIPTORS: *Steel, Sheets, Metal plates,
*Transformers, *Magnetic properties,
Production, Mechanical working, Heat treatment,
Hydrogen, Annealing.

The most important literature of the last 15 years
on developments in the manufacture of dynamo and
transformer sheet are cited and compared with
the author's own results. Improvement over the
best current watt loss of 0.8 to 0.9 w/kg at B10.
(Metallurgy--Ferrous Metals, TT, v. 10, no. 7)

63-16842

1. Title: Dynamo steel
 2. Title: Transformer steel
- I. Meyer, H.-H.
 - II. Schluter, H.

Office of Technical Services

Ultrasonic Testing of Steel Rounds for Internal
Defects, by H. G. Brandt. UNCLASSIFIED

GERMAN, DEU, Stahl und Eisen, Vol LXXIII, No 26,
1953, pp 1717-1720.

Brutcher Tr 3247

Scientific - Minerals/Metals

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Equipping a Modern Laboratory With an Air-
Conditioning Plant. E. Piper, H. Hagedorn. URSI.

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pp 1720-1727.

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Sci - Engr
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Connector Classifying Equipment, by P. Hata. WGL
GERMAN, per, Stahl u Eisen, No 1, 1954, pp 18-22.

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Sci - Engr
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Ultrasonic Transparency of Steel and Its Bearing on
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nique, by A. Michalski. UNCLASSIFIED.

GERMAN, per, Stahl Und Eisen, Vol LXXIV, No 1, 1954,
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Brutcher Tr No 3308

17,367

Scientific - Min/Metals

Present Status and Development of Electrode
Controls for Steel-Making Arc Furnaces, Part I,
by A. Driller

GERMAN, book per, Stahl und Eisen, Vol LXXIV,
No 2, 1954, pp 82-89.

Butcher No 3665
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Sci - Min/Metals
Dec 56 C TS

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Present Status and Development of Electrode
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GERMAN, par, Stahl und Eisen, Vol LXXIV, No 2,
1954, pp 89-94.

Brutcher No 3666

\$7.25

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Sci - Min/Metals
Jan 57 GTS

Experience With Immersion Thermocouples, by
G. Eichert.

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TPA3/TIB/T 4335

Scientific - Engineering

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Das Cold Reducing of Tubes; Results of
Investigations on the Rolling Process, by F. W.
Kreuzmann, E. Siebel. DECL

GERMAN, per, Stahl u Eisen, 28 Jan 1954,
pp 133, 134.

British Iron and Steel Ind
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Engl - Engl
Sep 59

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The Continuous Extension of Steel Wires When
Stressed in Tensile Threshold Region, by
R. Zinsser.

GERMAN, per, Stal und Eisen, Vol LXXIV, No 3,
1954, pp 145-151.

DSIR/29190/CT

Sci - Engineering
Oct 57

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The Blank-Holding Force in Deep Drawing, by
E. Siebel.

GERMAN, per, Stahl und Eisen Dusseldorf, Vol. LXXIV,
No 3, 1954, pp 151-158.

(29 JAN)

Aluminium Laboratories, Ltd. Tr B-TM-175-55

Sci - Min/metals

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Synthetic Time Standards for Rolling Mills in a
High-Grade Steelworks, by H. Bernhardt. UNCL

GERMAN, per, Stahl u Eisen, Vol LXXIV, Feb 1954:
pp 208-210.

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Some Fundamental Considerations Regarding the Transformations of Austenite in the Pearlite and Bainite Ranges, by W. Jellinghaus, ~~Erhard~~ E. Houdremont,

GERMAN, per, Stahl und Eisen, Vol XIV, No 5/6, 1954, pp 263-270.

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Butcher Tr 3510
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Scientific - Min/Metals

Jan 55 CTS

On the Best Ways of Deoxidizing Molten Steel, by
W. Koch and F. Wever. UNCLASSIFIED

BERMAN, per Stahl und Eisen, vol LXXIV, No 5, 1954,
pp 264-271.

Brutcher Tr 3268

Scientific - Minerals/Metals

Price \$9.20

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Preparation and Properties of Electrolytic Iron
Powder, by I. Ljungberg.
GERMAN, per, Stahl Eisen, Vol 74, 25 Feb 1954,
pp 279-285.
BSI 7157

sci/ materials
oct 69

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Contribution to the Study of the Metallurgy of Top
Blowing (of Pig Iron). Part IX, by I. H. Rellermeier,
Th. Kootz. UNCLASSIFIED. *6/*

GERMAN, per, Stahl Und Eisen, Vol LXXIV, No 7, 1954,
pp 381-390.

Brutcher Tr No 3324

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Scientific - *Min*/Metals

Contribution to the Study of the Metallurgy of
Top Blowing, Part II, by H. Rellermeyer, T. Kootz,
Esp

GERMAN, per, Stahl und Eisen, Vol. LXXIV, No 7,
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Brutcher Tr: No 3325

Scientific - Min/Metals

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High-Temperature Strength of Fireclay Bricks,
by W. Heiligenstaedt,
GERMAN, per. Stahl Eisen, Vol 74, No 7, 1954,
pp 402-406.
BISI 9364

Aug 71

Investigation on the Effect of Rolling Speed on the
Roll Pressure, the Mechanical Properties and the
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by J. Billigmann, A. Pomp. UNCL

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British Iron and Steel Ind
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Sci - Engr
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The Use of Anti-Friction Bearings in the Ironworks
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Hans Pennath, 22 p.

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SLA 59-20938

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Vol 3, No 1

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Influence of the Heat Treatment of Steel on the
Principal Cutting Force in Turning, by O. Kiensle,
H. Victor.

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D.S.I.R./2774b

Sci - Min/metals
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The Surface Area of Coke and an Index for Fingery
Coke, by W. Tietze.

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pp 618-620.

B. Coke R.A. 34 (3401)

The British Coke Research Association
Chesterfield
Derbyshire

May 60

Accidents in the German Iron and Steel Industry
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